

The actual genome:

ATT~~T~~**A**C~~G~~GGT**C**CT~~T~~T**C**TT**A**C~~G~~GGT**GG**

How the reads should be ordered:

ATT~~T~~**A**C~~G~~GGT
AC~~G~~GGT**C**CTT
6 GT**C**CT~~T~~T**C**TT
 TTT**C**TT**A**CGG
 TT**A**C~~G~~GGT**GG**

longest overlap we found
~~ATT~~T~~**A**C~~G~~GGT
TT**A**C~~G~~GGT**GG**~~
8